

Appl. No. 10/027,189
Amdt. Dated November 11, 2004
Reply to Office Action of August 11, 2004

Docket No. GM04650H
Customer No. 22917

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) In a radio communication system including a plurality of subscribers defining a user group, the subscribers having wireless subscriber units operable to receive messages communicated via a first wireless communication protocol, a method comprising:

constructing a database mapping one or more members of the user group with pager IDs and subscriber units;

receiving a paging message communicated via a second wireless communication protocol;
paging service protocol;

determining a target recipient of the message;
decoding a header of the paging message to identify a target pager ID;

determining a target recipient to be an individual associated with the target pager ID by consulting the database to determine whether the target pager ID corresponds to a member of the user group and if the target pager ID corresponds to a member of the user group, identifying the member as the target recipient, thereby determining that the target recipient is a member of the user group;

if the target recipient is a member of the user group,

identifying a subscriber unit associated with the target recipient; and

if the subscriber unit is logged on the radio communication system, sending the paging message to the subscriber unit via the first wireless communication protocol.

2. (original) The method of claim 1, performed by one or more infrastructure devices of the radio communication system.

3. (cancelled)

Appl. No. 10/027,189
Amdt. Dated November 11, 2004
Reply to Office Action of August 11, 2004

Docket No. CM04650H
Customer No. 22917

4. (currently amended) The method of claim 31, wherein the paging service protocol comprises one of: FLEX-TD, FLEX and POCSAG.

5. (cancelled)

6. (cancelled)

7. (currently amended) The method of claim 61, wherein the step of identifying a subscriber unit associated with the target recipient comprises, upon determining that the target pager ID corresponds to a member of the user group, consulting the database to identify the subscriber unit corresponding to the target pager ID.

8. (currently amended) In a radio communication system including a plurality of users defining a user group, a method comprising:

constructing a database mapping one or more members of the user group with respective pager IDs and communication units;

receiving a paging message communicated via a paging service communication protocol;

determining a target recipient of the paging message by consulting the database to determine whether the target recipient identified by a target pager ID corresponds to a member of the user group and if the target pager ID corresponds to a member of the user group, identifying the member as the target recipient, thereby determining that the target recipient is a member of the user group;

if the target recipient is a member of the user group,

identifying a communication unit associated with the target recipient, the communication unit being operable to receive messages communicated via a wireless protocol other than the paging service communication protocol; and

if the communication unit is logged on the radio communication system, converting the paging message to the wireless protocol, yielding a converted message, and sending the converted message to the communication unit.

Appl. No. 10/027,189
Amdt. Dated November 11, 2004
Reply to Office Action of August 11, 2004

Docket No. CM04650H
Customer No. 22917

9. (original) The method of claim 8, performed by one or more infrastructure devices of the radio communication system.

10. (original) The method of claim 8, wherein the paging service protocol comprises one of: FLEX-TD, FLEX and POCSAG.

11. (cancelled)

12. (original) The method of claim ~~11~~8, wherein the step of identifying a communication unit associated with the target recipient comprises consulting the database to identify the communication unit of the target recipient.

13. (currently amended) A radio communication system comprising:
a database for mapping one or more members of a user group with respective pager IDs and subscriber units;

a receiver operable to receive paging messages communicated via a paging service communication protocol;

a decoder operable to decode the paging messages to identify respective target recipients of the paging messages;

a paging server for determining whether the target recipients are members of the user group by consulting the database and, if a target recipient is a member of the user group, identifying a communication unit associated with the target recipient;

a controller for converting the paging message to a wireless protocol of the communication unit, yielding a converted message; and

a transmitter for sending the converted message to the communication unit associated with the target recipient.